

Title (en)

WEATHERABLE MULTILAYER ARTICLES AND METHOD FOR THEIR PREPARATION

Title (de)

WETTERBESTÄNDIGE MEHRLAGIGE ARTIKEL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

ARTICLES MULTICOUCHES RESISTANTS AUX INTEMPERIES ET PROCEDE PERMETTANT DE LES PREPARER

Publication

EP 1708878 A1 20061011 (EN)

Application

EP 05704894 A 20050103

Priority

- US 2005000050 W 20050103
- US 76082604 A 20040116

Abstract (en)

[origin: US2005158561A1] Disclosed are weatherable multilayer articles comprising (i) a coating layer comprising a block copolyestercarbonate comprising structural units derived from at least one 1,3-dihydroxybenzene and at least one aromatic dicarboxylic acid, (ii) a second layer comprising a polymer comprising carbonate structural units, (iii) a substrate layer comprising a polypropylene, and (iv) at least one adhesive layer comprising the reaction product of an amine-functionalized polypropylene and a polyurethane, wherein the coating layer is in contiguous contact with the second layer, and the adhesive layer is in contiguous contact with the second layer and the substrate layer. Also disclosed is a method for making the multilayer article.

IPC 8 full level

B32B 27/08 (2006.01); **C08F 255/02** (2006.01); **C08L 51/06** (2006.01); **C08L 53/00** (2006.01); **C09J 123/10** (2006.01); **C09J 151/06** (2006.01);
C09J 175/02 (2006.01); **C09J 175/04** (2006.01); **C09J 175/12** (2006.01)

CPC (source: EP KR US)

B32B 7/12 (2013.01 - US); **B32B 27/08** (2013.01 - EP KR US); **B32B 27/32** (2013.01 - US); **B32B 27/365** (2013.01 - US);
B32B 37/12 (2013.01 - KR); **C08F 255/02** (2013.01 - EP US); **C08L 51/06** (2013.01 - EP US); **C08L 53/00** (2013.01 - EP US);
C09J 151/06 (2013.01 - EP US); **C09J 175/04** (2013.01 - EP US); **B32B 2307/406** (2013.01 - US); **B32B 2307/558** (2013.01 - US);
B32B 2307/71 (2013.01 - US); **B32B 2307/712** (2013.01 - US); **B32B 2307/714** (2013.01 - US); **C08L 2666/02** (2013.01 - EP US);
C08L 2666/06 (2013.01 - EP US); **Y10T 428/31551** (2015.04 - EP US)

Citation (search report)

See references of WO 2005072958A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005158561 A1 20050721; AU 2005209150 A1 20050811; CN 1929993 A 20070314; EP 1708878 A1 20061011;
JP 2007523765 A 20070823; KR 20060114000 A 20061103; TW 200538281 A 20051201; WO 2005072958 A1 20050811

DOCDB simple family (application)

US 76082604 A 20040116; AU 2005209150 A 20050103; CN 200580007586 A 20050103; EP 05704894 A 20050103;
JP 2006549335 A 20050103; KR 20067015901 A 20060807; TW 94101204 A 20050114; US 2005000050 W 20050103